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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/652,677	08/29/2003	James E. Boyle	3816.04-D3	2556
22337	7590	12/13/2005	EXAMINER	
LAW OFFICES OF CHARLES GUENZER P O BOX 60729 PALO ALTO, CA 94306				OMGBA, ESSAMA
		ART UNIT		PAPER NUMBER
		3726		

DATE MAILED: 12/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief	Application No.	Applicant(s)
	10/652,677	BOYLE ET AL.
	Examiner	Art Unit
	Essama Omgbba	3726

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

THE REPLY FILED 22 November 2005 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

a) The period for reply expires _____ months from the mailing date of the final rejection.
 b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because
 (a) They raise new issues that would require further consideration and/or search (see NOTE below);
 (b) They raise the issue of new matter (see NOTE below);
 (c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 (d) They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
 5. Applicant's reply has overcome the following rejection(s): _____.
 6. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
 7. For purposes of appeal, the proposed amendment(s): a) will not be entered, or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: _____.

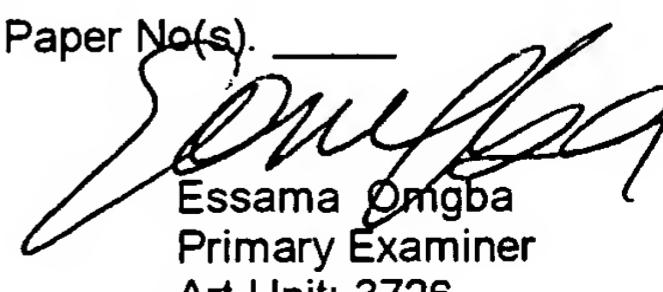
Claim(s) withdrawn from consideration: _____.

AFFIDAVIT OR OTHER EVIDENCE

8. The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
 9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
 10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. The request for reconsideration has been considered but does NOT place the application in condition for allowance because: see attached response.
 12. Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). _____
 13. Other: _____.


 Essama Omgbba
 Primary Examiner
 Art Unit: 3726

Response to Arguments

1. Applicant's arguments filed November 22, 2005 have been fully considered but they are not persuasive.

In response to Applicant's argument that Hewitt is nonanalogous art, it has been held that a prior art reference must either be in the field of applicant's endeavor or, if not, then be reasonably pertinent to the particular problem with which the Applicant was concerned, in order to be relied upon as a basis for rejection of the claimed invention.

See *In re Oetiker*, 977 F.2d 1443, 24 USPQ2d 1443 (Fed. Cir. 1992). In this case, by having the projecting portions of the legs inclined upwardly as disclosed provides small areas of support of the wafers, thus minimizing thermal shadowing, therefore one of the problems Applicant was concerned with was supporting wafers with small areas of contact between the wafers and the supports so as to minimize thermal shadowing, see page 4, lines 21-23, page 5, lines 16-18 and page 7, lines 12-14, 23 and 24 of the specification for example. Hewitt also has upwardly inclined supports so as to provide small areas of support, which is also taught by Beyaert et al. The test for obviousness is not that the claimed invention must be expressly suggested in any one or all of the references. Rather, the test is what the combined teachings of the references would have suggested to those of ordinary skill in the art. See *In re Keller*, 642 F.2d 413, 208 USPQ 871 (CCPA 1981). In this case one of ordinary skill in the art when presented with the teachings of Niemirowski et al., Hewitt and Beyaert et al. would find it obvious to make a support tower with upwardly inclined support teeth wherein both upper and lower surfaces are both upwardly inclined.

The examiner cannot find any support in the specification for Applicant's argument that one of the problems Applicant is trying to solve is providing close spacing of the fingers to maximize the number of wafers being processed. Applicant's stated problems to solve are: clean, strong and reliable support members for wafer processing that will reduce contamination (thus the use of virgin polysilicon, page 4, lines 21-23 and page 9, lines 11-15 for example), and reduce thermal shadowing (page 7, lines 12-14). In any case the structure of the supports of Hewitt also provide for close spacing of the supports to maximize the number of pieces being processed.

In response to Applicant's argument that the applied prior art fails to disclose cutting inclined parallel slots, the examiner respectfully disagrees. As outlined in the final Office Action, Beyaert et al. discloses inclined parallel slots that are cut in the support legs.

In response to Applicant's argument that Ballance teaches polishing a sloping surface and not a horizontally extending surface, the examiner submits that whether the surface is sloped or horizontal is inconsequential since the purpose of polishing the surface is to reduce the tendency of the surface to scratch the supported substrate surface.

In view of the above remarks, the examiner maintains that a *prima facie* of obviousness has been established in the instant application as outlined in the final Office Action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Essama Omgbal whose telephone number is (571) 272-4532. The examiner can normally be reached on M-F 9-6:30, 1st Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Jimenez can be reached on (571) 272-4530. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Essama Omgbal
Primary Examiner
Art Unit 3726

eo
December 8, 2005